

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-22 Cancelled.

23. (New) A field part, including a winding carrying part for providing a rotary field, of an electronically switched two-phase reluctance machine, the field part comprising:

a plurality of individually wound U-shaped yoke assemblies, each assembly including winding carrying U-shaped magnets attached to a non-magnetic carrier frame, each yoke assembly having winding connections;

a form-defined, axially mountable electric conductor compound which electrically interconnects the winding connections of the yoke assemblies; and

power conducting electric components electrically connected to the electric conductor compound.

24. (New) The field part of a reluctance machine of claim 23, including winding carriers having shoulders which serve to guide beginning ends of the windings at the start of a winding process and to insulate the beginning ends from each other.

25. (New) The field part of a reluctance machine of claim 24, wherein the windings have openings received on a protrusion of the winding carrier so as to be fixed thereto.

26. (New) The field part of a reluctance machine of claim 24, wherein the winding carriers each include lateral shoulders for retaining ends of the windings.

27. (New) The field part of a reluctance machine of claim 23, wherein free ends of the windings defining the winding connections are folded to form plug lugs.

28. (New) The field part of a reluctance machine of claim 27, wherein the U-shaped yoke assemblies are extrusion coated with an insulating mass and are sealed and held together to form a U-shaped magnet.

29. (New) The field part of a reluctance machine of claim 28, wherein the extrusion coating of the U-shaped yoke assemblies consolidates and shapes the plug lugs of the windings.

30. (New) The field part of a reluctance machine of claim 23, wherein the carrier frame includes a bearing carrying plate having columns which extend to a rear end shield, the columns being provided with an axial profile for the form-fit fixing of the U-shaped magnet, and wherein the columns are capable of being spread out to simplify the assembly of the field part.

31. (New) The field part of a reluctance machine of claim 30, wherein the carrier frame comprises two substantially identical half frames having a predetermined number of columns which is the same or the half of the

number of the U-shaped magnets which can be axially mounted on both sides thereof.

32. (New) The field part of a reluctance machine of claim 30, wherein the carrier frame defines openings for the fixing of the U-shaped magnets.

33. (New) The field part of a reluctance machine of claim 32, wherein the openings are formed in a front portion thereof by an end shield, laterally by two columns and at a rear by a ring flange of the carrier frame.

34. (New) The field part of a reluctance machine of claim 30, wherein the U-shaped magnets are fixed in the frame by means of a tolerance compensating method in such a way that pole faces of the U-shaped magnets are brought to stop against a calibrating roll which having approximately the diameter of a rotor space centered in bearings such that the U-shaped magnets are fixed in this position.

35. (New) The field part of a reluctance machine of claim 34, wherein the U-shaped magnets are pressed on the calibrating roll by an electromagnetic force.

36. (New) The field part of a reluctance machine of claim 30, wherein the form-fit fixing of the U-shaped magnets is carried out by means of a hardenable material that is delivered in a non-hardened state into interconnected partial spaces between the U-shaped magnets which are to be fixed mutually and the frame.

37. (New) The field part of a reluctance machine of claim 30, wherein the form-fit fixing of the U-shaped magnets is carried out by means of prefabricated parts inserted into interconnected spaces between the U-shaped magnets and the columns of the carrier frame.

38. (New) The field part of a reluctance machine of claim 23, wherein the conductor compound comprises metallic conductor paths and an insulating carrier that electrically connect the power conducting electric components and the winding connections.

39. (New) The field part of claim 38, wherein the conductor compound comprises punched conductor paths which are fixed on a plastic body by sticking, clipping, ultrasonic riveting or extrusion coating.

40. (New) The field part of a reluctance machine of claim 39, wherein the punching of the conductor paths takes place in two phases in such a way that, prior to the final punching out, the conductor paths can be handled in all, together with the residual half-product out of which they have been cut, for an easier fixing on the carrier, before the final punching out of the conductor paths takes place by separating the edges.

41. (New) The field part of a reluctance machine of claim 40, wherein extremities of the conductor paths have an electric contact with ends of the windings in the manner of plug-in connections.

42. (New) The field part of a reluctance machine of claim 23, wherein there are loops of current outside the plane of the conductor compound.

43. (New) The field part of a reluctance machine of claim 23, wherein the conductor compound has on a side thereof a printed card for weak current.

44. (New) The field part of a reluctance machine of claim 23, wherein the field part is adapted as a rotor of a machine with two independent rotors, the carrier frame being mounted on a hollow shaft, and the U-shaped magnets being mounted without balance error and protected against the destruction by centrifugal forces.

45. (New) The field part of a reluctance machine of claim 23, including a protective housing fixed to the carrier frame.

46. (New) The field part of claim 45, wherein the field part is placed in a motor casing having a thermal contact with head loaded motor parts.

47. (New) A field part accordingly to claim 46, wherein the motor casing is situated inside a housing-type section of a suction pipe and in association with a blower that creates an air flow that prevents dirt accumulation.

48. (New) The field part of a reluctance machine of claim 23, wherein the wound conductors have variable cross sections along a winding so that

each winding is thinner between limbs of the U-shaped yokes than on sides thereof.